

Emory University
Serious Communicable Diseases Program (SCDP)
Project ECHO Program
Mosquito-borne Diseases
Thursday, September 14, 2023
11 AM – 12 PM (EST)

Medical Director: Gavin Harris, MD – Assistant Professor, *Emory University School of Medicine, Divisions of Pulmonary, Allergy, Critical Care, and Sleep Medicine & Infectious Diseases; Serious Communicable Diseases Program*

Facilitator

- Jay Varkey, MD, Associate Professor, Department of Medicine, Division of Infectious Diseases, Emory University, Interim Chief Quality Officer and Hospital Epidemiologist, Emory University Hospital

Expert Panelist(s):

- Zanthia Wiley, MD, FHM, FIDSA, Associate Professor, Department of Medicine, Division of Infectious Diseases, Emory University
- Anne Piantadosi, MD, PhD, Assistant Professor, Department of Pathology and Laboratory Medicine, Department of Medicine, Division of Infectious Diseases, Emory University
- Gonzalo Vazquez-Prokopec, MSc, PhD, Winship Distinguished Research Professor, Department of Environmental Sciences, Emory College of Arts and Sciences, Emory University

Target Audience:

- Anyone interfacing with patients or responsible for patient/community health, including physicians, nurses, EMTs, paramedics, pharmacists, hospital administrators, public health officials, etc., are welcome to attend.

Session Objectives:

- Gain an overview of the current epidemiologic trends and contributory factors leading to the rise of Malaria and West Nile virus in the U.S.
- Gain an understanding of the various preparedness approaches healthcare systems can take to address Mosquito-borne Diseases
- Understand the appropriate clinical management of a patient with Malaria

Connection Details: https://zoom.us/webinar/register/WN_-PwyOVtWQbyAM_GYWHmr1g

Time	Topic	Presenter
11:00-11:05	Welcome, Intros, Polls	Varkey
11:05-11:10	Situation Report	Harris
11:10-11:20	Mosquito-borne Diseases	Wiley
11:20-11:35	Malaria and West Nile Virus in the U.S. - A Tale from the Past to Inform the Future	Vazquez-Prokopec
11:35-12:00	Discussion/Q&A <i>(Audience can submit questions and experts will discuss)</i>	Varkey, Wiley, Piantadosi, Vazquez-Prokopec
12:00	Wrap-up, Polls	Varkey

Bios:

Gavin Harris, MD

Gavin H. Harris, MD is an Assistant Professor of Medicine at Emory University School of Medicine, holding appointments in both the Division of Pulmonary, Allergy and Critical Care Medicine and the Division of Infectious Diseases. He has been on faculty at Emory since 2020 and his professional expertise lies in the areas of disaster preparedness, medical countermeasures, and the treatment of special pathogens. Dr. Harris is the medical director for the Emory University Serious Communicable Diseases Program Project ECHO and SitRep, the co-clinical lead for critical care medicine for Emory's Serious Communicable Diseases Unit (SCDU), and a rostered physician for the SCDU. Additionally, Dr. Harris is an alumni fellow of the Johns Hopkins University Bloomberg School of Public Health's Center for Health Security Emerging Leaders in Biosecurity Initiative (ELBI) as well as faculty with the National Emerging Special Pathogens Training and Education Center (NETEC) as an adult care subject matter expert and a biothreats subject matter expert with the Southern Regional Disaster Response System (SRDRS).

Anne Piantadosi, MD, PhD

Anne Piantadosi is an Assistant Professor in the Emory Department of Pathology and Laboratory Medicine and has a joint appointment in the Department of Medicine, Division of Infectious Diseases. Anne earned an MD/PhD from the University of Washington and completed clinical training in Internal Medicine and Infectious Diseases at Massachusetts General Hospital. Her lab studies the emergence, evolution, and pathogenesis of viruses of clinical and public health importance using a combination of translational, laboratory, and computational approaches.

Zanthia Wiley, MD, FHM, FIDSA

Dr. Wiley is an Emory infectious diseases physician (Associate Professor of Medicine) and based

at Emory University Hospital Midtown. She is a co-investigator in the Emory Vaccine and Treatment Evaluation Unit and the Atlanta MPI on the NIH RECOVER (Long COVID) study. Dr. Wiley is a member of the Emory Department of Medicine's Diversity, Equity, and Inclusion Council. She is also 2023 President-Elect of the American Federation for Medical Research (AFMR). Her scholarly contributions are published in journals including Clinical Infectious Diseases (CID), The Journal of the American Medical Association (JAMA), and The Journal of Racial and Ethnic Health Disparities.

Gonzalo Vazquez-Prokopec, MSc, PhD

Dr. Vazquez-Prokopec is the Winship Distinguished Professor in Environmental Sciences at Emory University in Atlanta, GA, USA. His primary research areas are Disease Ecology, Medical Entomology and Global Health. His research and mentoring programs focus on three central topics: a) Identify the major determinants of the transmission and geographic propagation of vector-borne diseases of global health significance; b) Study the ecology of the insect vectors and reservoir hosts, and the role of human and vector behavior in pathogen transmission dynamics; c) use an evidence-based approach to identify targets that can help improve public health policy and practice. Over the past 15 years Dr. Vazquez-Prokopec has been involved in diverse research projects studying the eco-epidemiology of vector-borne and parasitic diseases, primarily dengue, Chagas disease and West Nile virus. As a result, he has published more than 120 peer-reviewed articles and regularly participates in scientific panels for the US National Science Foundation, the US National Institutes of Health, the US Centers for Disease Control and Prevention (CDC) and the World Health Organization as an expert in vector ecology and control.

Jay Varkey, MD

Dr. Jay B. Varkey is an Associate Professor of Medicine in the Department of Medicine, Division of Infectious Diseases, at the Emory University School of Medicine. He received his BA in International Affairs and Political Science and graduated with honors from Marquette University in 1998. In 2002, he graduated from the Medical College of Wisconsin where he was a member of the Alpha Omega Alpha honor society. He completed his residency in Internal Medicine and fellowship in Infectious Diseases at Duke University Medical Center.

He was recruited to the Emory University School of Medicine in 2009 to become the medical director of the antibiotic stewardship program at Emory University Hospital where he currently serves as Hospital Epidemiologist. He is an active teacher and lecturer. His research interests are focused on improving patient outcomes by optimizing the use of antimicrobials and reducing healthcare associated infections.

In Fall 2014, Dr. Varkey was one of five infectious diseases physicians that provided direct care to 4 patients with Ebola virus disease treated in the Serious Communicable Diseases Unit (SCDU) at

Emory University Hospital including the first 2 patients with Ebola treated in the United States.

During both the 2014 Ebola outbreak in West Africa and throughout the COVID-19 pandemic, Dr. Varkey has been invited to provide medical expert commentary to multiple media organizations in newspapers, radio, and on television including multiple appearances in the Associated Press, National Public Radio, NBC, CBS, ABC, and CNN.



Disclosure Statement

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